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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO			
09/451,574	11/30/1999	JAMES L. APPLE	99-049-MIS				
75	590 11/17/2001						
WAYNE P BAILEY STORAGE TECHNOLOGY CORPORATION ONE STORAGE TEK DRIVE MS 4309			EXAMINER				
			WERNER, FRANK E				
LOUISVILLE,	CO 800284309		ART UNIT	PAPER NUMBER			
			3652				

DATE MAILED: 11/17/2001

Please find below and/or attached an Office communication concerning this application or proceeding.

	Application No.	,	Applicant(s)	•	Λ.,	.1	<u> </u>	ı
Office Action Summary	09/451	154	Jame	es h,	App	ne_	eta	١
Office Action Summary	Examiner			Group Art Unit				
	F.Elm	37V1-8V		365	2			
—The MAILING DATE of this communication appears	on the cover	sheet b	eneath the co	rrespond	lence ad	ddres	s	
Period for Reply								
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO OF THIS COMMUNICATION.	EXPIRE	•	3 _month(s)	FROM T	HE MAII	LING	DATE	
 Extensions of time may be available under the provisions of 37 CFR 1.13 from the mailing date of this communication. If the period for reply specified above is less than thirty (30) days, a reply If NO period for reply is specified above, such period shall, by default, ex Failure to reply within the set or extended period for reply will, by statute. 	within the statuto	ry minim THS fron	um of thirty (30) on the mailing date	days will be	consider	ed time		
Status								
Responsive to communication(s) filed on Sept. 17 12	100							
☐ This action is FINAL.								
☐ Since this application is in condition for allowance except fo accordance with the practice under Ex parte Quayle, 1935 (the merit	s is clo	sed ir	ì	
Disposition of Claims								
√Claim(s) 1-7 and 22			is/are p	ending in	the app	licatic	n.	
Of the above claim(s)	is/are w	is/are withdrawn from consideration.						
□ Claim(s)			is/are a	llowed.				
□ Claim(s) 1 - 7 and 2 2	isfare re	is are rejected.						
□ Claim(s)	•							
□ Claim(s)								
Application Papers			require	ment.				
☐ See the attached Notice of Draftsperson's Patent Drawing F	Review PTO-9	18	•					
The proposed drawing correction, filed on Sept. 17, 2	Do is Dapp	roved.	☐ disapproved	l		^	0. 4.1	(
The proposed drawing correction, filed on Sept. 17, 2 The drawing(s) filed on Avg. 20, 2001 is are objected.	Toyusov de	niner.	o The Dr	afts r	nan.	far	obban	/C\\
☐ The specification is objected to by the Examiner.	•			, 41 4	70-6	<u> </u>		
☐ The oath or declaration is objected to by the Examiner.								
Priority under 35 U.S.C. § 119 (a)-(d)								
 □ Acknowledgment is made of a claim for foreign priority under large large. □ All □ Some* □ None of the CERTIFIED copies of the large received. □ received in Application No. (Series Code/Serial Number) 	priority docun	nents ha	ve been	·				
☐ received in this national stage application from the Intern		·						
*Certified copies not received:	 							
Attachment(s)	2 4 7							
Information Disclosure Statement(s), PTO-1449, Paper No(s). 24)		☐ Interview Summary, PTO-413					
☑Notice of Reference(s) Cited, PTO-892			□ Notice of Informal Patent Application, PTO-152					
□ Notice of Draftsperson's Patent Drawing Review, PTO-948			Other					
Office A	ction Summa	ry						

U. S. Patent and Trademark Office PTO-326 (Rev. 9-97) Application/Control Number: 09/451,574 Page 2

Art Unit: 3652

1. Applicant's election with traverse of Species G (with claims 1-7 and 22 readable thereon) in Paper No. is acknowledged. The traversal is on the ground(s) that are set forth in the noted paper. This is not found persuasive because the "Remarks" appear to be moot in view of the cancellation of claims 8-21 directed to the non-elected species. However, it should be noted that the 10 species identified by the Examiner are patentably distinct - note at least the difference in mounting of the motors relative to the columns and the different formation of the columns in at least Figs. 7 to 10, 12 etc. Accordingly, a search and consideration of each of the patentably distinct species would impose a burden on the office.

The requirement is still deemed proper and is therefore made FINAL.

2. Claims 1-7 and 22 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Re base claims 1 and 22, no library (cell) structure (shelves, walls, etc.) has been set forth; moreover, no motive means to move the arms, hands, etc., (claim 1) or robot (claim 22) has been set forth; also reclaim 22, no means has been set forth to mount the robot units and re base claims 1 and 22, it is not understood what function occurs during the manipulation of the storage units. Re claim 4, it is not understood what line 2 structurally refers to. Re claim 22, line 6, no antecedent basis exists for "the polygonal array of cells."

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

Application/Control Number: 09/451,574 Page 3

Art Unit: 3652

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

- 4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103© and potential 35 U.S.C. 102(f) or (g) prior art under 35 U.S.C. 103(a).
- 5. Claims 1-7 and 22 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cheatham et al (,569-cited by Applicants) in view of Sander (,293) or Mason (,088).

Cheatham et al disclose in at least figure 1, an unnumbered center column (floor mounted) along axis 30, opposed first and second arms 28 rotatable along the column, raisable/lowerable hands 12a and 12b, etc. mounted on the arms and cellular library 44, etc., but do not disclose independently movable hands and arms which is disclosed by Sander 28, 30, etc.) Mason (18, 20, 36, 101, etc.) and in view of the same, it would have been obvious to have substituted separate rotatable arm mountings to increase the flexibility of the apparatus as taught by either secondary reference. Re claim 2, it would have been obvious to have substituted conventional equivalent ceiling mountings of the first column, if desired, as this would have been

Application/Control Number: 09/451,574

Art Unit: 3652

Page 4

known warehouse mountings of manipulators. Re claim 3, Mason (18, 19, 36, 37, etc.) Leaches

and renders obvious the utilization of longitudinally movable hands along the arms. Re claim 5,

Sander (46, 22, etc.) Teaches the obvious desirability of mounting a column within a column, if

desired.

Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over the Japanese 6.

Patent (,505).

The Japanese Patent discloses independently movable robots 31 A and 31B accessing

storage units 10 in cells 2, etc. It would have been obvious to have substituted the handling of

equivalent storage units, such as data storage units, if desired.

The prior art made of record and not relied upon is considered pertinent to applicant's 7.

disclosure.

8. Any inquiry concerning this communication should be directed to F. E. Werner at

telephone number (703) 308-1140.

Werner/cw

November 7, 2001

Summary:

Claims 1-7 and 22 are rejected.

Rejection -- SSP 3 mos.

MARY EXAMINER

GROUPSIDE 3652